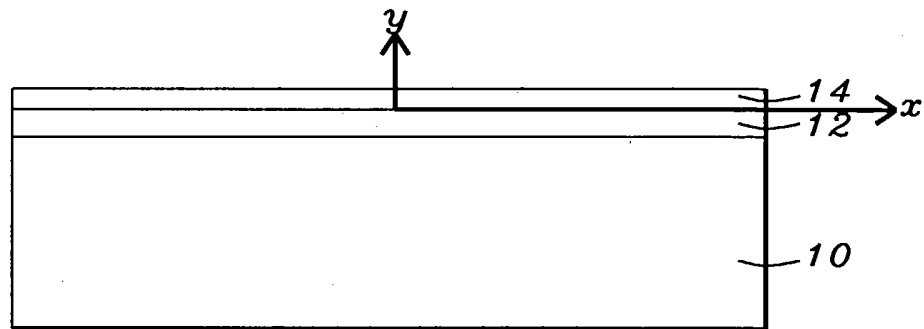
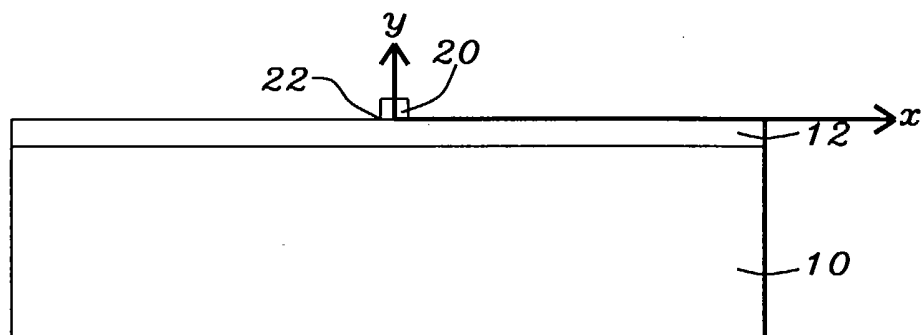


Stress Modeling

*Underclad 12 and core layers 14
on substrate 10*

*FIG. 1**Stress Modeling*

*Waveguide 20 etched in
core layer 14*

FIG. 2

Stress Modeling

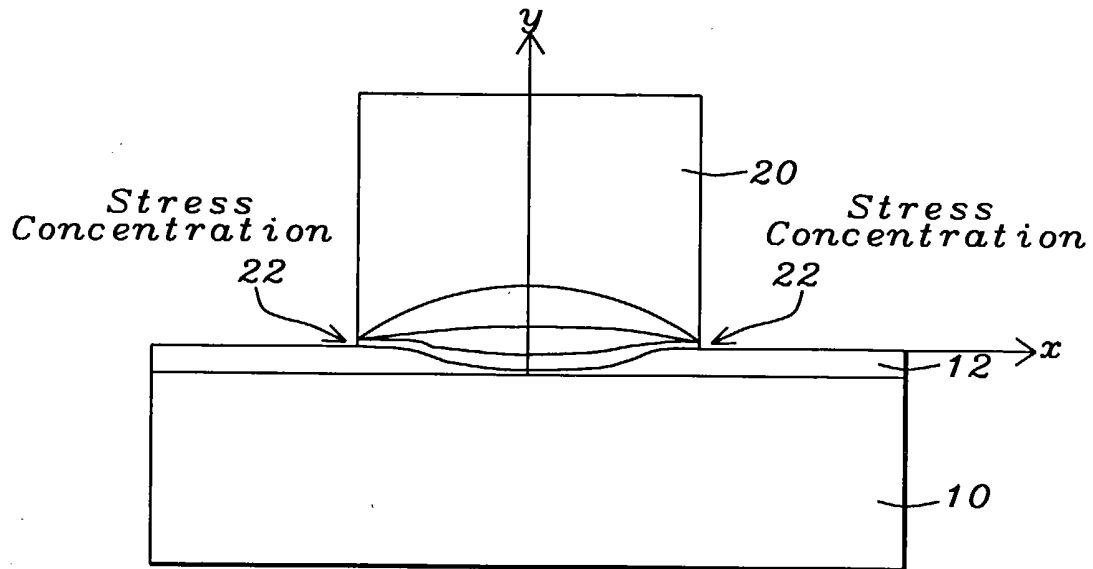


FIG. 3

Stress Modeling

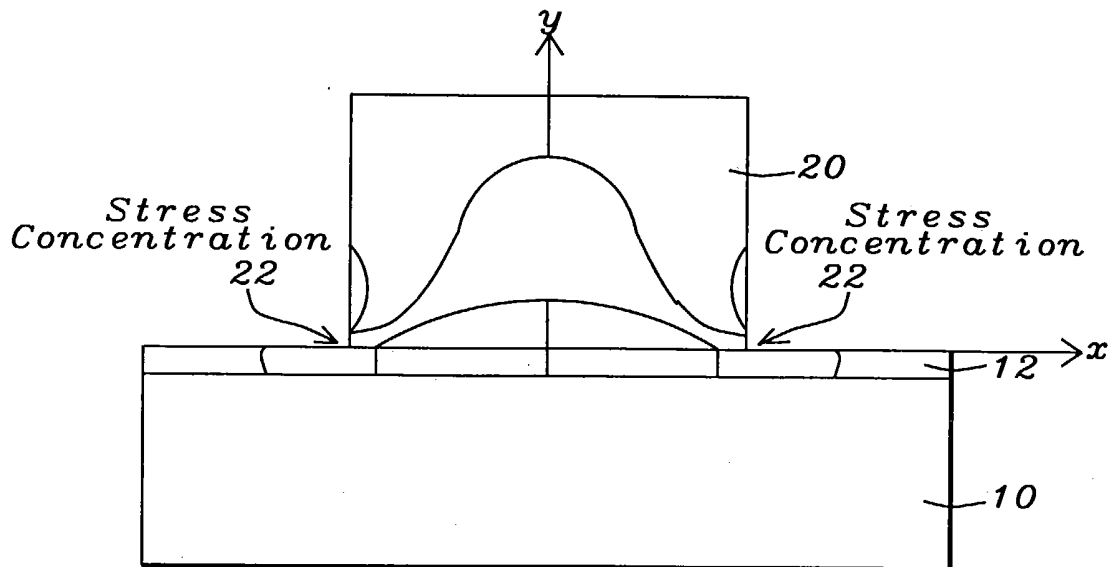


FIG. 4

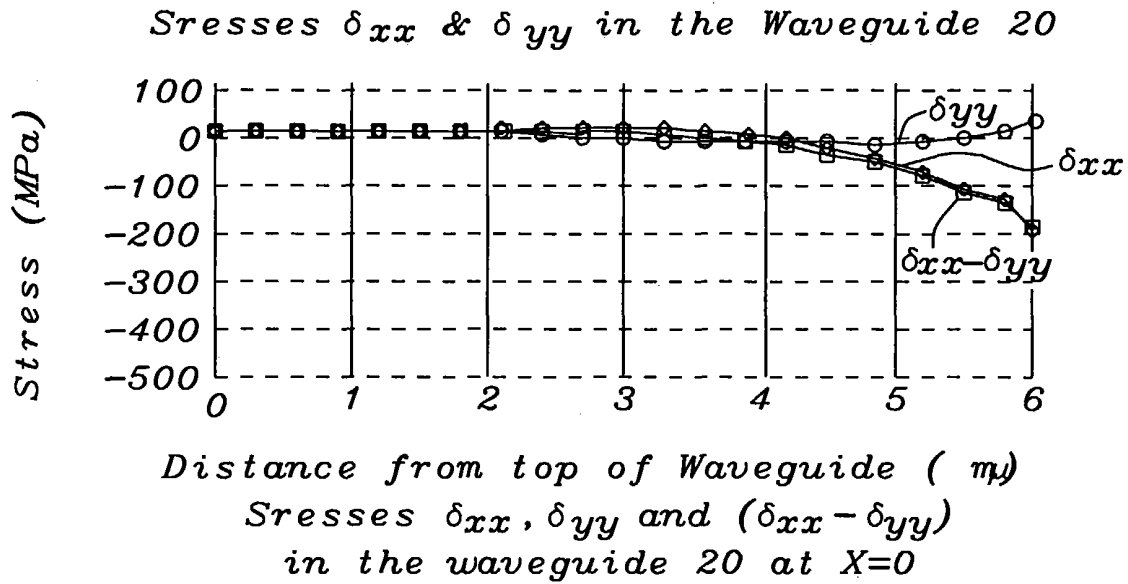


FIG. 5

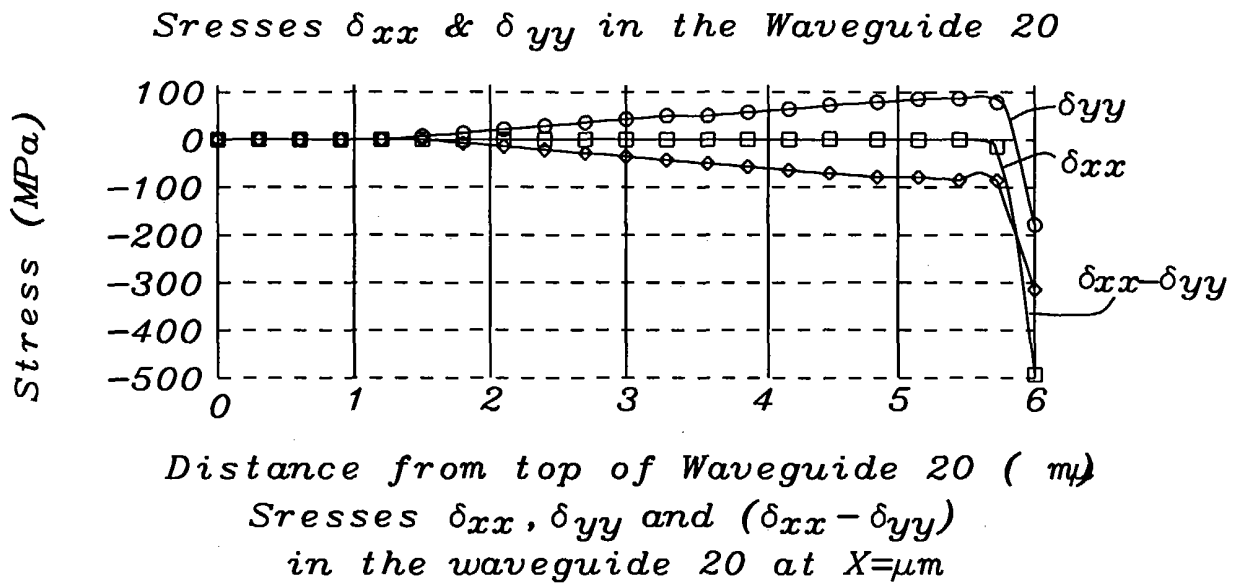
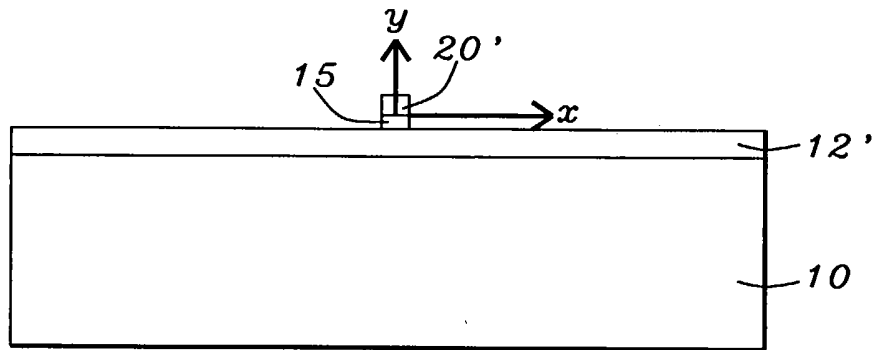
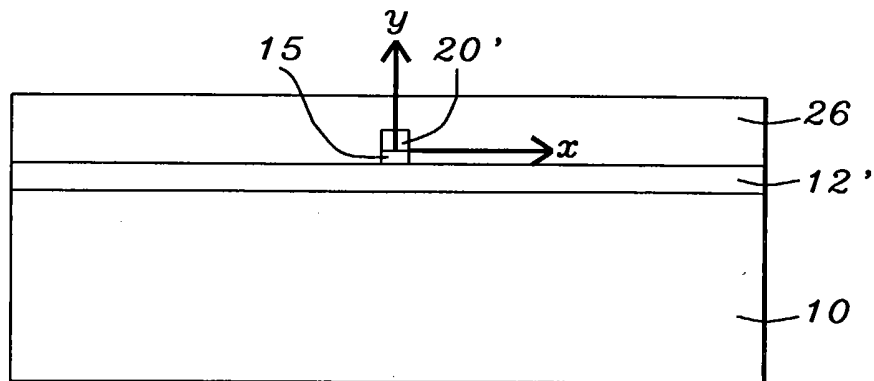


FIG. 6



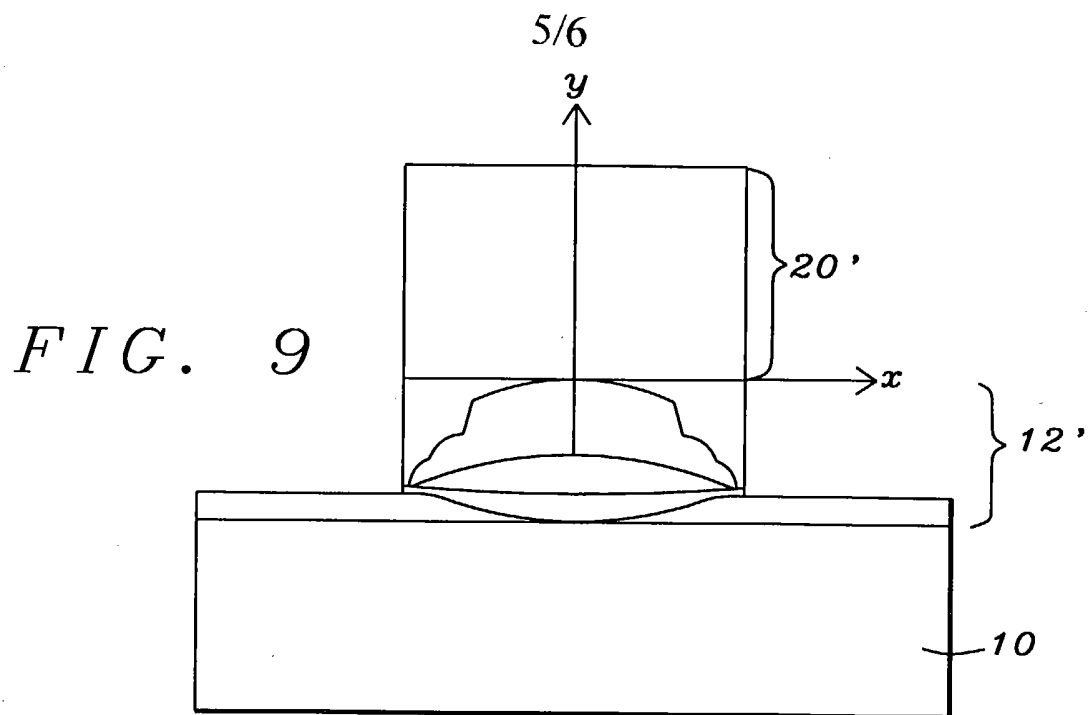
*Waveguide 20' over-etched into
underclad layer 12*

FIG. 7

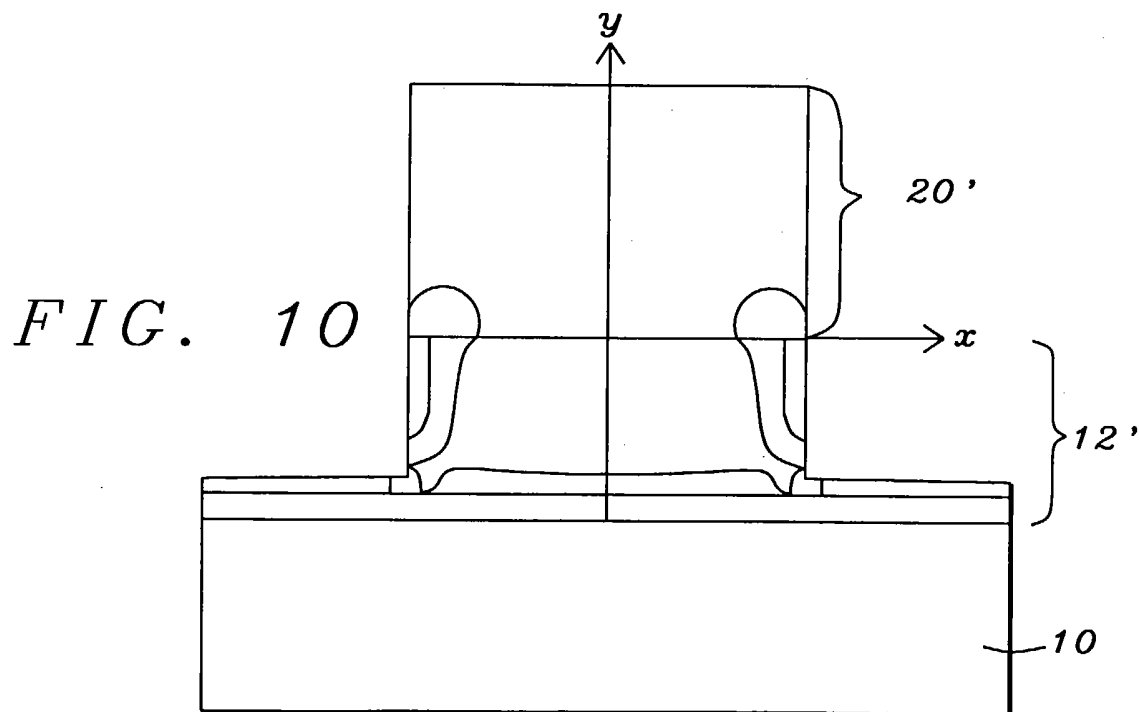


*Overclad 26 around and on top
of waveguide 20'*

FIG. 8



*Stress contours for $\delta'xx$
(negative is compressive and
positive is tensile)*



*Stress contours for $\delta'yy$
(negative is compressive and
positive is tensile)*

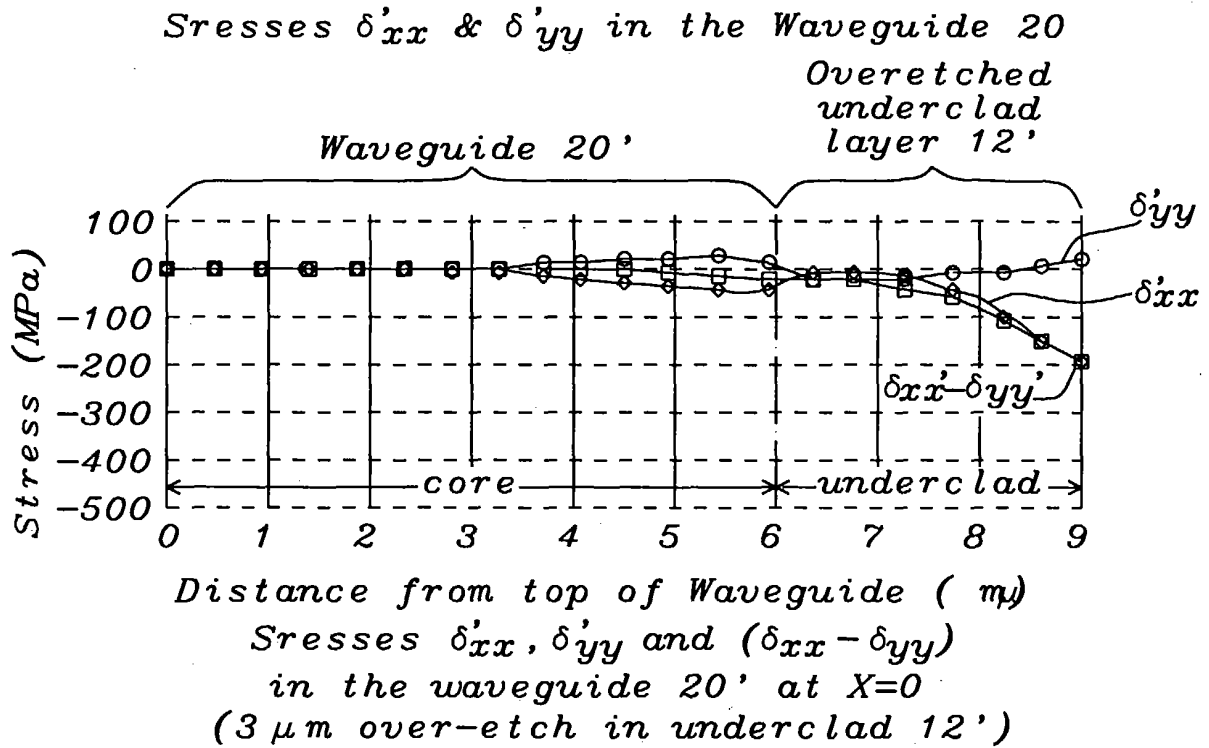


FIG. 11

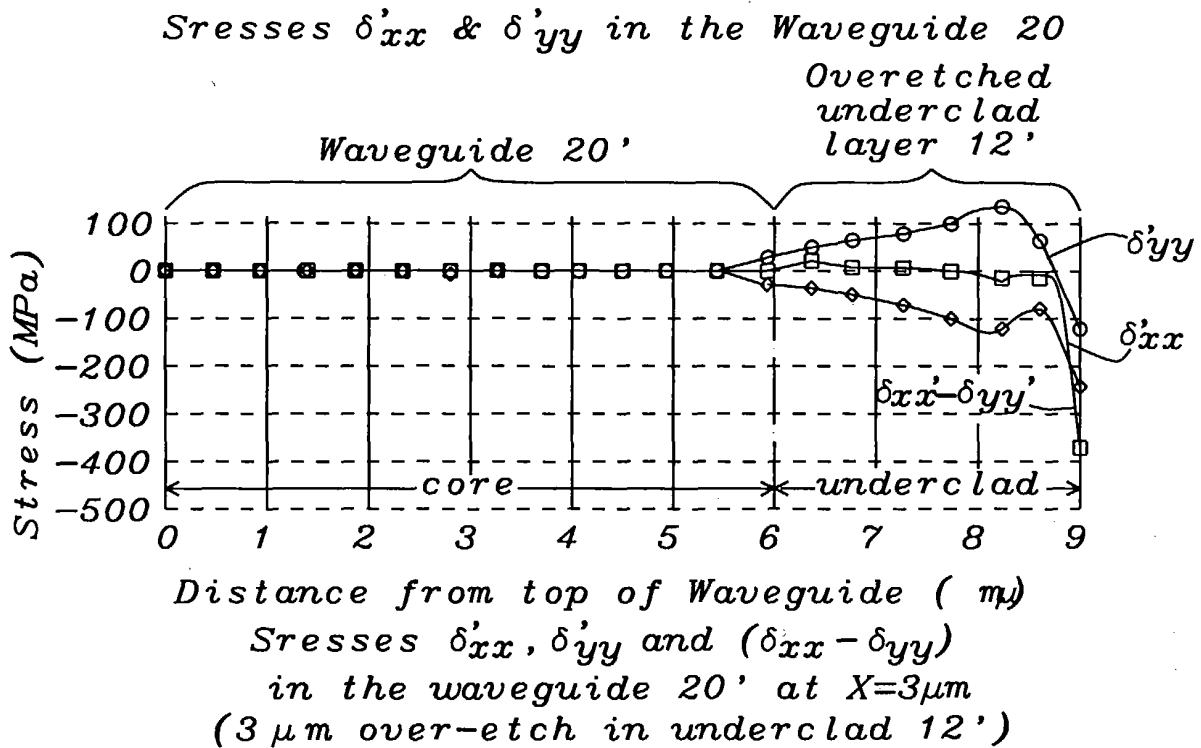


FIG. 12